

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"10586189"	US-PGPUB; USPAT	OR	ON	2009/08/28 09:35
L2	1	"10563255"	US-PGPUB; USPAT	OR	ON	2009/08/28 09:35
L3	0	booster near2 pump with turbomoleclar	US-PGPUB; USPAT	OR	ON	2009/08/28 09:39
L4	81	booster near2 pump with turbomolecular	US-PGPUB; USPAT	OR	ON	2009/08/28 09:39
L5	76	booster near pump with turbomolecular	US-PGPUB; USPAT	OR	ON	2009/08/28 09:39
L6	21	roots near pump with series	US-PGPUB; USPAT	OR	ON	2009/08/28 11:17
L7	8	("2812715"   "3089638"   "4859158"   "5288217"). PN. OR ("6196810"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 11:19
L8	13	("3874708"   "4372114"   "4523612"   "5133578"   "5340165"   "5437479"   "5639222"   "5713727"   "5820354"   "6056510"   "6062266"   "6089823"   "6196810").PN. OR ("6305910").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 11:19
L9	1126	vacuum adj pump with series	US-PGPUB; USPAT	OR	ON	2009/08/28 11:20
L10	370	vacuum adj pump near2 series	US-PGPUB; USPAT	OR	ON	2009/08/28 11:20
L11	120	vacuum adj pump near2 series and housing	US-PGPUB; USPAT	OR	ON	2009/08/28 11:21
L12	28	vacuum adj pump near2 series same housing	US-PGPUB; USPAT	OR	ON	2009/08/28 11:21
L13	7	vacuum adj pump near2 series same enclosure	US-PGPUB; USPAT	OR	ON	2009/08/28 11:22
L14	0	vacuum adj pump near2 series with motor and (brushless near3 motor)	US-PGPUB; USPAT	OR	ON	2009/08/28 11:40
L15	136	vacuum adj pump with motor and (brushless near3 motor)	US-PGPUB; USPAT	OR	ON	2009/08/28 11:40

L16	62	vacuum adj pump with motor and (brushless near3 DC)	US-PGPUB; USPAT	OR	ON	2009/08/28 11:52
L17	2	roots near pump with motor and (brushless near3 DC)	US-PGPUB; USPAT	OR	ON	2009/08/28 11:53
L18	342	roots near (multistage or compound)	US-PGPUB; USPAT	OR	ON	2009/08/28 12:01
L19	0	("2007/0048162").URPN.	USPAT	OR	ON	2009/08/28 12:02
L20	1	"7491041"	USPAT	OR	ON	2009/08/28 12:02
L21	4	("1214300"   "4943214"   "4995796").PN. OR ("7491041").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 12:03
L22	14	("2489887"   "2648488"   "3405604"   "3667874"   "3922117"   "4102615"   "4789314").PN. OR ("4995796").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 12:03
L23	21	("3667874").URPN.	USPAT	OR	ON	2009/08/28 12:06
L24	15	("1756343"   "3184155"   "3667874"   "4505647"   "5314312"   "5364245"   "5709537"   "5736823").PN. OR ("5846062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 12:09
L25	4	("3184155").URPN.	USPAT	OR	ON	2009/08/28 12:11
L26	15	("1756343"   "3184155"   "3667874"   "4505647"   "5314312"   "5364245"   "5709537"   "5736823").PN. OR ("5846062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 12:12
L27	15	("1756343"   "3184155"   "3667874"   "4505647"   "5314312"   "5364245"   "5709537"   "5736823").PN. OR ("5846062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/28 12:18
L28	47	roots with pump with (multistage or compound)	US-PGPUB; USPAT	OR	ON	2009/08/28 12:19
L34	1	"10586189"	US-PGPUB; USPAT	OR	ON	2009/08/28 13:14
L35	2	"03023229"	EPO; DERWENT	OR	ON	2009/08/28 14:21
L36	0	PCT/JP02/09048	EPO; DERWENT	OR	ON	2009/08/28 14:21

L37	0	JP02/09048	EPO; DERWENT	OR	ON	2009/08/28 14:21
S1	3	"03023229"	US-PGPUB; USPAT; DERWENT	OR	ON	2009/08/27 14:57
S2	2	"20040173312"	US-PGPUB; USPAT; DERWENT	OR	ON	2009/08/27 14:57
S3	0	("2004/0173312").URPN.	USPAT	OR	ON	2009/08/27 14:58
S4	0	("2004/0173312").URPN.	USPAT	OR	ON	2009/08/27 14:58
S5	0	("2004/0173312").URPN.	USPAT	OR	ON	2009/08/27 14:58
S6	0	"10586189"	USPAT	OR	ON	2009/08/27 14:58
S8	0	"2002090321"	US-PGPUB; USPAT	OR	ON	2009/08/27 14:59
S9	1	"2002090321"	US-PGPUB; USPAT	OR	ON	2009/08/27 15:00
S10	0	"1004173312"	US-PGPUB; USPAT	OR	ON	2009/08/27 15:02
S11	0	"2004173312"	US-PGPUB; USPAT	OR	ON	2009/08/27 15:02
S12	1	"20040173312"	US-PGPUB; USPAT	OR	ON	2009/08/27 15:02
S13	478	vacuum adj pump near3 series	US-PGPUB; USPAT	OR	ON	2009/08/27 15:04
S14	17	vacuum adj pump near3 series with motor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:04
S15	18	("2246932"   "2295775"   "2926835"   "4140439"   "4699570"   "4767280"   "4797068").PN. OR ("4887941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:05
S16	1	"10563255"	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:06
S17	1138	kawamura.in. and vacuum	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:06
S18	11	(kawamura near2 takeshi). in. and vacuum	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:06
S19	12	("2511878"   "2931308"   "4543048").PN. OR ("5697772").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:08
S20	210	vacuum adj pump near series	US-PGPUB; USPAT	OR	ON	2009/08/27 15:08

S21	6	vacuum adj pump near series and ("417.clas" or "418".clas. or "415".clas. or "92".clas. or "91".clas.)	US-PGPUB; USPAT	OR	ON	2009/08/27 15:09
S22	842395	miltistage with pump with rotor wti vacuum	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S23	0	miltistage with pump with rotor and vacuum	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S24	0	miltistage with pump with rotor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S25	0	miltistage with pump with rotor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S26	0	multi-stage with pump with rotor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S27	18589	pump with rotor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S28	1199	vacuum adj pump with rotor	US-PGPUB; USPAT	OR	ON	2009/08/27 15:22
S29	4	vacuum adj pump with rotor near3 complex	US-PGPUB; USPAT	OR	ON	2009/08/27 15:23
S30	0	("2008/0025858").URPN.	USPAT	OR	ON	2009/08/27 15:23
S31	96	vacuum adj pump with rotor near3 stage	US-PGPUB; USPAT	OR	ON	2009/08/27 15:23
S32	16	("3748055"   "3826588"   "4111595"   "4732529"   "4826393"   "4893985"). PN. OR ("5052887"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:42
S33	14	("2362922"   "3802794"   "4332522"   "4668160"). PN. OR ("4826393"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:43
S34	17	("0269412"   "1098974"   "2010569"   "2464152"   "3405597"   "4437784"   "4502832"   "5052887"   "5195756").PN. OR ("5466119").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 15:43
S35	28	vacuum adj pump with rotor same compound	US-PGPUB; USPAT	OR	ON	2009/08/27 15:58
S36	1151	vacuum adj pump with compound	US-PGPUB; USPAT	OR	ON	2009/08/27 16:00
S37	164	vacuum adj pump near2 compound	US-PGPUB; USPAT	OR	ON	2009/08/27 16:00
S38	1	vacuum adj pump near2 compound with series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:03
S39	4	pump near2 compound with series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:04

S40	12	("4732530"   "4735550"   "5020969"   "5052887"   "5238362"   "5324177"   "5370509"   "5611660"). PN. OR ("6179573"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:06
S41	16	("3748055"   "3826588"   "4111595"   "4732529"   "4826393"   "4893985"). PN. OR ("5052887"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:07
S42	953	415/90.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:10
S43	29	S42 and compound with vacuum	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:11
S44	0	("2004/0096311").URPN.	USPAT	OR	ON	2009/08/27 16:11
S45	12	("4732530"   "4735550"   "5020969"   "5052887"   "5238362"   "5324177"   "5370509"   "5611660"). PN. OR ("6179573"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:14
S46	14	("2362922"   "3802794"   "4332522"   "4668160"). PN. OR ("4826393"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:23
S47	16	("3947193"   "4732529"   "4826393"   "5165872"). PN. OR ("5553998"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:24
S48	29	("0969541"   "2730297"   "3628894"   "3751908"   "3947193"   "3969039"   "4023920"   "4111595"   "4332522").PN. OR ("4732529").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:25
S49	0	turbomolecular	USPAT	OR	ON	2009/08/27 16:26
S50	1619	turbomolecular	USPAT	OR	ON	2009/08/27 16:26
S51	1427	turbomolecular near pump	USPAT	OR	ON	2009/08/27 16:26
S52	23	(turbomolecular near pump) near2 series	USPAT	OR	ON	2009/08/27 16:26
S53	34	(turbomolecular near pump) near2 series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:26

S54	155	("2142329"   "2413851"   "2592940"   "3145914"   "3190545"   "3281065"   "3578880"   "3592048"   "3623826"   "3672791"   "3714421"   "3811319"   "4111595"   "4167165"   "4269590"   "4309143"   "4399690"   "4505647"   "4541772"   "4593530"   "4651171"   "4702228"   "4717315"   "4754745"   "4756810"   "4761553"   "4785182"   "4800173"   "4806075"   "4815303"   "4816126"   "4824546"   "4835005"   "4889995"   "4992662"   "4994013"   "4999096"   "5062271"   "5107697"   "5116196"   "5134877"   "5152679"   "5180435"   "5188514"   "5190444"   "5210466"   "5259918"   "5297422"   "5298452"   "5335505"   "5341671"   "5349846"   "5363689"   "5440918"   "5450721"   "5483803"   "5489319"   "5500102"   "5534713"   "5537857"   "5542825"   "5548964"   "5688106"   "5733104"   "5756881"   "5783295"   "5828064"   "5863602"   "5879467"   "5885869"   "5924841"   "5928428"   "5963833"   "6013134"   "6014892"   "6030189"   "6050782"   "6062810"   "6083313").PN. OR ("5584669"   "5720174"   "5849163"   "6099457"   "6336356"   "6362096"   "6412173"   "6642489"   "6666811"   "6872956"   "6875279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/27 16:31
S55	1	"10563255"	US-PGPUB; USPAT	OR	ON	2009/08/27 16:46
S56	8	roots near pump same compound	US-PGPUB; USPAT	OR	ON	2009/08/27 16:47
S57	21	roots near pump with series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:47
S58	1137	vacuum near pump with series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:48

S59	89	vacuum near pump with series same turbo adj molecular	US-PGPUB; USPAT	OR	ON	2009/08/27 16:48
S60	103	turbo adj molecular with pump with series	US-PGPUB; USPAT	OR	ON	2009/08/27 16:50
S61	93	S60 not S59	US-PGPUB; USPAT	OR	ON	2009/08/27 16:50
S62	93	S60 not S59	US-PGPUB; USPAT	OR	ON	2009/08/27 16:50
S63	93	S60 not S59	US-PGPUB; USPAT	OR	ON	2009/08/27 16:50
S64	93	S63 and pump	US-PGPUB; USPAT	OR	ON	2009/08/27 16:50
S65	93	S63 and vacuum	US-PGPUB; USPAT	OR	ON	2009/08/27 16:51
S66	64	turbo adj molecular with pump with series with vacuum	US-PGPUB; USPAT	OR	ON	2009/08/27 16:51
S67	0	("20020090310").PN.	USPAT; USOCR	OR	OFF	2009/08/27 17:04
S68	0	"2002090310"	USPAT	OR	ON	2009/08/27 17:04
S69	0	"2002090310"	US-PGPUB; USPAT	OR	ON	2009/08/27 17:04
S70	1	"20020090310"	US-PGPUB; USPAT	OR	ON	2009/08/27 17:04
S71	1	"20040193312"	US-PGPUB; USPAT	OR	ON	2009/08/27 17:05
S72	1	"20040173312"	US-PGPUB; USPAT	OR	ON	2009/08/27 17:05
S73	3702	booster adj pump	US-PGPUB; USPAT	OR	ON	2009/08/27 17:52
S74	4683	booster near2 pump	US-PGPUB; USPAT	OR	ON	2009/08/27 17:52
S75	1765	(booster near2 pump) and stage	US-PGPUB; USPAT	OR	ON	2009/08/27 17:52
S76	775	(booster near2 pump) and stage and vacuum	US-PGPUB; USPAT	OR	ON	2009/08/27 17:52
S77	36657	((booster near2 pump) and stage and vacuum) and "417".clas. or "415". clas.	US-PGPUB; USPAT	OR	ON	2009/08/27 17:53
S78	47	((booster near2 pump) and stage and vacuum) and ("417".clas. or "415". clas.)	US-PGPUB; USPAT	OR	ON	2009/08/27 17:53

S79	21	((booster near2 pump) and stage and vacuum) and ("417".clas. or "415". clas.) and series	US-PGPUB; USPAT	OR	ON	2009/08/27 17:54
S80	38	((booster near2 pump) and vacuum) and ("417". clas. or "415".clas.) and series	US-PGPUB; USPAT	OR	ON	2009/08/27 17:54

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